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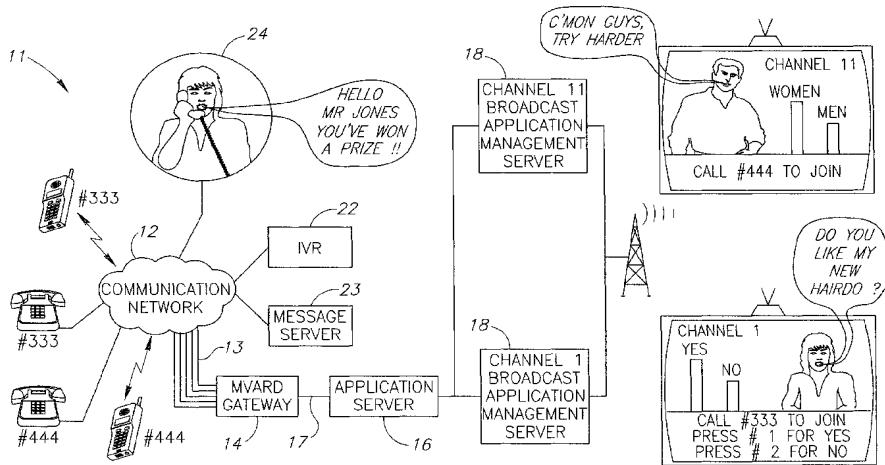
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Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: MASS VIEWER AUDIENCE CIRCUIT BASED REAL TIME PARTICIPATION IN INTERACTIVE APPLICATIONS DISPLAYED LIVE ON DISPLAY SCREENS



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(57) **Abstract:** The present invention is directed toward mass viewer audience circuit based real time participation in live TV shows, and other interactive applications displayed on electronic billboards, so-called vidiwalls, and the like. The present invention includes a Mass Viewer Audience Response Detection (MVARD) gateway (14) for establishing inbound half duplex line connections with callers' telephones on receiving circuit based telephone calls therefrom for determining callers' DTMF key depressions corresponding to their real time responses to an interactive application, and transmitting real time information regarding the callers' responses for providing real time feedback to the mass viewer audience watching the interactive application, and particularly the callers continuously holding their telephones like a hand held TV remote control and depressing on the DTMF keys on their telephones to input their responses to actively participate therein without interrupting their participation to listen to pre-recorded playback messages regarding DTMF key assignments.



(88) Date of publication of the international search report:
18 August 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL04/01060

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04M 11/00
US CL : 379/92.02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : Please See Continuation Sheet

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,675,635 A (VOS et al) 07 October 1997, abstract, figs. 1, 2, col. 3 line 28 to col. 7 line 67	3-5, 8-12, 16-20
X	US 5,537,143 A (STEINGOLD et al) 16 July 1996, abstract, all figures, col. 2 line 35 to col. 4 line 23, col. 5 line 34 to col.16 line 20.	1,2,6,7,14,15
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Y		3-5, 8-12, 16-20

Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	
"A"	document defining the general state of the art which is not considered to be of particular relevance
"E"	earlier application or patent published on or after the international filing date
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O"	document referring to an oral disclosure, use, exhibition or other means
"P"	document published prior to the international filing date but later than the priority date claimed
"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"&"	document member of the same patent family

Date of the actual completion of the international search

20 June 2005 (20.06.2005)

Date of mailing of the international search report

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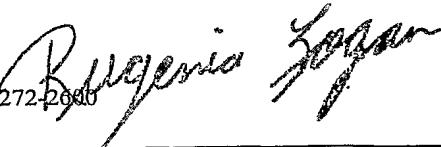
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL04/01060

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.: 13 and 21
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL04/01060

Continuation of B. FIELDS SEARCHED Item 1:
379/92.02-92.04, 93.08,93.26,93.27,201.01;
455/2.01